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**STATE PROCUREMENT OFFICE  
NOTICE & REQUEST FOR SOLE SOURCE**ADMINISTRATION  
STATE PROCUREMENT OFFICE

TO: Chief Procurement Officer

FROM: Health/State Laboratories Division  
Name of Requesting Department

Pursuant to HRS §103D-306 and HAR chapter 3-122, Subchapter 9, the Department requests sole source approval to purchase the following:

1. Describe the goods, services, or construction to be procured.

Life Technologies Corporation (Invitrogen and Applied Biosystems are now Life Technologies) 1 Unit, Applied Biosystems 7500 FAST Dx Real Time PCR System with notebook computer that runs the unit installed with SDS software version 1.4. The ABI 7500 FAST Dx System is supplied with a User Manual, precision plate holder for tubes/srips; one-year SVC OQPQ and one year warranty for parts, labor, travel and one service engineer visit at 6-months after installation.

2. Vendor/Contractor/Service Provider Name: LIFE TECHNOLOGIES CORPORATION	3. Amount of Request: <i>Sam 6/16/14</i> <del>\$65,000.00</del> \$80,025.00
4. Term of contract (shall not exceed 12 months), if applicable:  From: CPO APPROVAL To: ONE YEAR	5. Prior SPO-001, Sole Source (SS) No.:  10-009-B

6. Describe in detail the following:

a. The unique features, characteristics, or capabilities of the goods, service or construction.

The instrument is an integrated system designed to perform both real-time PCR(polymerase chain reaction) and post-PCR (end-point analysis). The instrument is capable of analyzing 96 samples simultaneously in a 96-well plate format, while utilizing internal positive controls. Relative quantitation software incorporates the ability to simultaneously visualize and analyze up to ten 96-well plates of gene expression data. The instrument is able to support two homogeneous reaction chemistries, the fluorogenic 5' nuclease assay using TaqMan probes and SYBR Green I double stranded DNA binding dye chemistry. The instrument can perform quantitative real-time PCR applications in less than 40 minutes. The instrument utilizes a tungsten-halogen lamp rather than an expensive laser, a cooled charge coupled device (CCD) camera, and an optical system which utilizes multiple filter sets to enable multiple wavelength detection. The instrument software (See Attached

b. How the unique features, characteristics or capabilities of the goods, service or construction are essential for the department

ABI 7500 FAST Dx is the only FDA-cleared PCR instrument that we can use for Swine Flu Testing, per CDC recommendation. The SLD currently own 4 ABI 7500 FAST Dx instruments. During respiratory season, 2 units are dedicated to influenza testing while the other units are used for a variety of infectious diseases including almost all of the Laboratory Response Network (LRN) assays, West Nile Virus, Measles/Mumps and Dengue Virus. For influenza testing, one unit can test 21 samples in two and a half to three hours or up to 84 specimens in one 8-hour work day using 2 instruments. During the 2009 pandemic, SLD received as many as 340 specimens in one day for swine flu testing and with a PCR detection capacity of 84 samples daily, we lack the capacity to keep up with the demand. The addition of one more unit will allow the State Laboratories to perform additional testing with minimal operational changes in the event of an outbreak or increased surge capacity. The ABI 7500 FAST Dx will allow the SLD to enhance diagnostic capacity to monitor influenza and other infectious disease activities that could rapidly affect Hawaii and the U.S. mainland.

7. Describe the efforts and results in determining that this is the only vendor/contractor/service provider who can provide the goods, services or construction.

None. Applied Biosystems is now by Life Technologies.

8. Alternate source. Describe the other possible sources for the goods, services, or construction that were investigated but did not meet the department's needs.

There are none.

9. Identify the primary responsible staff person(s) conducting and managing this procurement. (Appropriate delegated procurement authority and completion of mandatory training required.)

\*Point of contact (Place asterisk after name of person to contact for additional information).

Name	Division/Agency	Phone Number	E-mail Address
Gail Kunimoto	DOH/SLD	453-6700	<i>gail.kunimoto@doh.hawaii.gov</i>

Department shall ensure adherence to applicable administrative and statutory requirements, including HAR chapter 3-122, Subchapter 15, Cost or Pricing Data if required.

*All requirements/approvals and internal controls for this expenditure is the responsibility of the department.*

*I certify that the information provided is to the best of my knowledge, true and correct.*



Department Head Signature

5-30-2014

Date

**For Chief Procurement Officer Use Only**

Date Notice Posted: 6/4/2014

Submit written objection to this notice to issue a sole source contract within seven calendar days or as otherwise allowed from date notice posted to:

[state.procurement.office@hawaii.gov](mailto:state.procurement.office@hawaii.gov)


Chief Procurement Officer (CPO) Comments:

Approval is granted for the period from CPO Approval to One Year based on the department's representation that Life Technologies Corporation is the sole manufacturer and sole authorized distributor and supplier within North America for the Applied Biosystems 7500 FAST Dx Real time PCR instrument. This equipment is the only FDA-cleared PCR instrument that can be used for Swine Flu Testing, per CDC recommendation. Sole source contracts in excess of \$100,000 require cost or pricing data pursuant to HAR chapter 3-122, subchapter 15. This approval is for the solicitation process only, HRS section 103D-310(c) and HAR section 3-122-112, shall apply (i.e. vendor is required to be compliant on the Hawaii Compliance Express) and award is required to be posted on the Awards Reporting System. Copies of the HCE certificate and awards posting are required to be documented in the procurement/contract file. If there are any questions, please contact Stanton Mato at 586-0566, or [stanton.d.mato@hawaii.gov](mailto:stanton.d.mato@hawaii.gov).

☒ Approved

☐ Disapproved

☐ No Action Required



Chief Procurement Officer Signature

6/19/14

Date

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LIFE TECHNOLOGIES CORPORATION – ABI 7500 FAST DX  
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6. Describe in detail the following: (continued)

a. The unique features, characteristics, or capabilities of the goods, service or construction:

utilizes a multicomponenting algorithm to provide precise deconvolution of multiple dye signals enabling the simultaneous detection of multiple fluorophores with reduced crosstalk. The system incorporates a heated lid assembly to heat the top half of the plate assembly to prevent reflux in the sample wells. The heated lid assembly applies sufficient sealing force to the reaction plate to ensure effective sealing and minimizes reaction mixture evaporation. The instrument has a footprint of less than 237 square inches. The instrument has the demonstrated ability to distinguish between 5,000 and 10,000 template copies with a 99.7% confidence level.

SS 14-0829